

**THORPE  
NORTH &  
WESTERN L.L.P.**

SINCE 1979

THE TEAM APPROACH TO PREMIER PERFORMANCE®

INTELLECTUAL PROPERTY LAW

PATENTS, TRADEMARKS,

COPYRIGHTS, UNFAIR,

COMPETITION, TRADE SECRETS,

LITIGATION, DISPUTE RESOLUTION,

AND RELATED MATTERS

SALT LAKE AREA OFFICE  
8180 SOUTH 700 EAST, SUITE 200  
SANDY, UTAH 84070-0562  
801.566.6633  
801.566.0750 FAX  
PATLAW@TNW.COM  
WWW.TNW.COM

U.S. MAILING ADDRESS  
P.O. Box 1219  
SANDY, UTAH 84091-1219

LAS VEGAS AREA OFFICE  
OF COUNSEL: NEIL J. BELLER †  
7408 WEST SAHARA  
LAS VEGAS, NEVADA 89117  
702.368.7767  
† ADMITTED IN NEVADA

VAUGHN W. NORTH  
M. WAYNE WESTERN  
GARRON M. HOBSON  
PETER M. DE JONGE  
CLIFTON W. THOMPSON  
STEVE M. PERRY  
WEILI CHENG, PH.D.  
DAVID R. MCKINNEY, PE.  
GARY P. OAKESON  
DAVID W. OSBORNE  
DAVID L. STOTT  
JASON R. JONES  
ERIK S. ERICKSEN, M.S.  
JOHN W. L. OGILVIE  
ALEX HAYMOND, B.S. EE  
NATHAN S. WINESETT  
ATTORNEYS

TODD B. ALDER, PH.D.  
JONATHAN M. BENNS, PH.D.  
PATENT AGENTS

AARON M. SMITH, B.S. EE  
WILLIAM T. RALSTON, PH.D. EE  
TECHNICAL CONSULTANTS  
CALVIN E. THORPE  
(1938-1999)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir/Madam:

Transmitted herewith for filing is the patent application of Howell, et al. for  
SUBSTANTIALLY CONSTANT-FORCE EXERCISE MACHINE comprising 22 pages of  
specification and claims.

- ☒ This non-provisional application claims priority to U.S. Provisional application  
no. 60/460,471 filed April 2, 2003.

Enclosed also are:

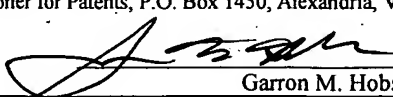
- ☒ 8 sheet(s) of drawings.  
☒ Applicant claims small entity status under 37 CFR 1.9(b) & 1.27(c).  
☒ An Assignment, with cover sheet, from the inventors to Brigham Young  
University.  
☒ Declaration and Petition.  
☒ Power of Attorney.  
☐ A Preliminary Amendment is enclosed.

## CERTIFICATE OF MAILING BY "EXPRESS MAIL"

EXPRESS MAIL LABEL NO.: EV469250587US

DATE OF DEPOSIT: April 1, 2004

I hereby certify that this paper or fee (along with any paper or fee referred to as being attached or enclosed) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 with sufficient postage on the date indicated above and is addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Garron M. Hobson
17513 U.S.PTO  
10/817019

040104

040104

- ☐ Nonpublication Request Under 35 USC 122(b)(2)(B)(i).
- ☒ A Certificate of Mailing by "Express Mail" certifying a filing date of April 1, 2004, by use of Express Mail Label No. EV469250587US.
- ☐ Information Disclosure Statement under 37 C.F.R. § 1.97, PTO Form-1449 with listed references attached (if indicated as being attached by the Information Disclosure Statement).

The filing fee has been calculated as shown below.

			SMALL ENTITY		OTHER THAN A SMALL ENTITY	
FOR	NO. FILED	EXTRA	RATE	FEE	RATE	FEE
BASIC FEE			\$385.00	\$385.00	\$ 770.00	
TOT. CLAIMS	42-20=	22	x \$9.00 =	\$ 198.00	x \$18.00 =	
IND. CLAIMS	4-03=	1	x \$43.00 =	\$ 43.00	x \$86.00 =	
MULTIPLE DEPENDENT CLAIMS PRESENTED		0	\$145.00		\$290.00	
ASSIGNMENT RECORDATION FEE			\$40.00	\$40.00	\$40.00	
			TOTAL	\$ 666.00	TOTAL	

- ☒ A check in the amount of \$ 666.00 is enclosed to cover the filing fee and the \$40.00 assignment recordation fee.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or to credit any overpayment to Deposit Account No. 20-0100. Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned.

Dated this 1st day of April, 2004.

Respectfully submitted,



Garron M. Hobson  
Attorney for Applicant  
Registration No. 41,073

THORPE NORTH & WESTERN, LLP  
Customer No. 20,551  
P.O. Box 1219  
Sandy, Utah 84091-1219  
Telephone: (801) 566-6633

GMH /ef  
Enclosures